

WHAT IS CLAIMED IS:

1 1. A table saw assembly comprising:
2 a saw base having a pair of laterally spaced apart, longitudinally
3 extending channels including at least one guide member disposed adjacent an open
4 end of the channel;
5 a motor and a spindle driven by the motor oriented within the saw
6 base;
7 a table top affixed on the base for supporting a workpiece thereon;
8 a saw blade affixed to the spindle and driven thereby, the saw blade
9 extending through an opening formed through the table top; and
10 an auxiliary support table slidably mounted to the saw base, the
11 auxiliary support table having a workpiece support surface, a pair of elongate arms
12 telescopically extending through the channels and a pair of pivot members disposed
13 on a distal end of each arm to secure the arms in the channels,
14 wherein the auxiliary support table is adjustable between a use
15 position wherein the elongate arms telescope inwardly through the channels to
16 position the workpiece support surface generally parallel to the saw table top and a
17 stored position wherein the elongate arms telescope outwardly through the channels
18 and pivot about pivot members to position the workpiece support surface generally
19 perpendicular to the table top.

1 2. The table saw assembly of claim 1 wherein the table top is
2 provided with a forward edge corresponding to a side of the table top from which
3 a work piece is fed into the saw blade and a rear edge corresponding to the work
4 piece out-feed side of the table top, with the auxiliary support table oriented on the
5 out-feed side of the table top to support a long work piece during cutting.

1 3. The table saw assembly of claim 1 wherein at least one guide
2 member is formed by a roller.

1 4. The table saw assembly of claim 1 wherein the pair of pivot
2 members are each formed by a hook located on the distal end of each of the elongate

3 arms for limiting the movement of the auxiliary support table in the out-feed
4 direction and suspending the auxiliary support table from the guide members when
5 in the stored position.

1 5. The table saw assembly of claim 1 wherein the motor hangs
2 off the back of the saw base, elongate arms long enough to allow the auxiliary table
3 top to clear motor when moving to the stored position.

1 6. The table saw assembly of claim 1 wherein the leading edge
2 of the auxiliary support table is downwardly sloped to prevent a long workpiece
3 which is fed through the table saw from catching on the edge of the support table.

1 7. The table saw assembly of claim 1 wherein the auxiliary
2 support table top surface is formed of a low friction plastic sheet laminated onto a
3 substrate.

1 8. The table saw assembly of claim 1 wherein the saw base
2 channels are tubular.

1 9. The table saw assembly of claim 8 wherein the saw base
2 channels are rectangular in cross section.

1 10. The table saw assembly of claim 1 wherein at least one of the
2 saw base channels and the associated auxiliary support table arm is provided with
3 a detent to temporarily retain the auxiliary support table arm in the in use position.

1 11. The table saw assembly of claim 10 wherein the detent is
2 formed by a projection on the upper surface of an elongate arm cooperating with a
3 step formed in the interior upper surface of the of the channel.

1 12. The table saw assembly of claim 10 wherein the auxiliary
2 support table detent is formed by a depression on the lower surface of an elongate
3 arm cooperating with the channel guide member.

1 13. A table saw assembly comprising:
2 a saw base having a pair of laterally spaced apart, longitudinally
3 extending channels each including a guide member disposed adjacent an open end
4 of the channel;
5 a table top affixed on the base for supporting a workpiece thereon,
6 the table top having a forward edge on an in-feed side and a rearward edge on a
7 work piece out-feed side;
8 a motor mounted to the saw base and extending beyond the rear side
9 of the table top;
10 a saw blade affixed to a spindle position beneath the table top and
11 driven by the motor, the saw blade partially extending through an opening formed
12 through the table top for cutting a workpiece positioned thereon; and
13 an auxiliary support table slidably mounted to the saw base, the
14 auxiliary support table having a workpiece support surface, a pair of elongate arms
15 telescopically extending through the channels and a pair of pivot members disposed
16 on a distal end of each arm to temporarily secure the arms in the end of the
17 channels,
18 wherein the auxiliary support table is adjustable between an in use
19 position wherein the elongate arms telescope inwardly through the channels to
20 orient the workpiece support surface generally parallel to and aligned with the rear
21 edge of the saw table top, and a stored position wherein the elongate arms telescope
22 outwardly through the channels and pivot about pivot members to hang the
23 workpiece support surface of the auxiliary support table downwardly from the rear
24 edge of the table top, below and inboard of the rearward most portion of the motor.

1 14. The table saw assembly of claim 13 wherein the table top is
2 provided with a forward edge corresponding to a side of the table top from which
3 a work piece is fed into the saw blade and a rear edge corresponding to the work
4 piece out-feed side of the table top, with the auxiliary support table oriented on the
5 out-feed side of the table top to support a long work piece during cutting.

1 15. The table saw assembly of claim 14 wherein the leading edge
2 of the auxiliary support table is downwardly sloped to prevent a long workpiece
3 which is fed through the table saw from catching on the edge of the support table.

1 16. The table saw assembly of claim 13 wherein the auxiliary
2 support table top surface is formed of a low friction plastic sheet laminated onto a
3 substrate.

1 17. The table saw assembly of claim 13 wherein at least one of the
2 saw base channels and the associated auxiliary support table arm is provided with
3 a detent to temporarily retain the auxiliary support table arm in the in use position.

1 18. An auxiliary out-feed support table for use with a table saw
2 having saw base provided with a pair of laterally spaced apart, longitudinally
3 extending channels each including a guide member disposed adjacent an open end
4 of the channel, a table top affixed on the base for supporting a workpiece thereon,
5 the table top having a forward edge on an in-feed side and a rearward edge on a
6 work piece out-feed side, a motor mounted to the saw base and extending beyond
7 the rear side of the table top, and a saw blade affixed to a spindle position beneath
8 the table top and driven by the motor, the saw blade partially extending through an
9 opening formed through the table top for cutting a workpiece positioned thereon, the
10 auxiliary out feed support table comprising:

11 a workpiece support table having an generally planar upper surface;
12 a pair of elongate arms sized to telescopically extending into a pair
13 of channels in a table saw, the distal end of each arm a pair having of pivot member
14 to temporarily secure the arms in the end of the channels,

15 wherein the auxiliary support table is adjustable between an in use
16 position wherein the elongate arms telescope inwardly through the channels to
17 orient the workpiece support table upper surface generally parallel to and aligned
18 with the saw table top, and a stored position wherein the elongate arms telescope
19 outwardly through the channels and pivot about the guide members to hang the
20 workpiece support table downwardly from the table saw table top, below and
21 inboard of the rearward most portion of the table saw motor.

1 19. The auxiliary out-feed support table of claim 18 wherein at
2 least one of the saw base channels and the associated auxiliary support table arm is
3 provided with a detent to temporarily retain the auxiliary support table arm in the
4 in use position.

1 20. The auxiliary out-feed support table of claim 18 wherein the
2 leading edge of the auxiliary support table is downwardly sloped to prevent a long
3 workpiece which is fed through the table saw from catching on the edge of the
4 support table.